

**Amendments to the Claims**

The listing of claims below will replace all prior versions and listings of claims in the application. The changes to currently amended claims are shown using strikethrough to identify deleted material.

**Listing of Claims:**

1. (currently amended) An extraction device for extracting an analyte from living tissue through skin, the device comprising:
  - a first electrode part;
  - a through-current electrode part; and
  - a power supply part for supplying electrical energy to the first electrode part and the through-current electrode part to extract an analyte in the first electrode part;  
wherein the first electrode part comprises a first electrode connected to the power supply part, and a first collection material for collecting an analyte extracted by the first electrode, wherein the first collection material contacts the first electrode; and  
wherein the first collection material has a contact area with the skin of between about 0.01 and about 25 mm<sup>2</sup>.
2. (canceled)
3. (original) The device of Claim 1, wherein the power supply part supplies a current which flows from the power supply part through the through-current electrode part, the skin, the tissue, and the first electrode part, and returns to the power supply part.
4. (original) The device of Claim 1, wherein the power supply part supplies a current of less than about 300 µA.
- 5-6. (canceled)

7. (original) The device of Claim 1, wherein the first electrode part is detachable from the power supply part.
8. (currently amended) The device of Claim 1, further comprising:  
a second electrode part comprising a second electrode connected to the power supply part, and a second collection material for collecting an analyte extracted by the second electrode, wherein the second collection material contacts the second electrode;  
wherein the power supply part comprises:  
a first power supply for supplying electrical energy to the first electrode part and the through-current electrode part, and for extracting an analyte at the first electrode part; and  
a second power supply for supplying electrical energy to the second electrode part and the through-current electrode part, and for extracting an analyte at the second electrode part; and  
wherein the second collection material has a contact area with the skin of less than-about 25 mm<sup>2</sup>.
9. (currently amended) The device of Claim 8, wherein the contact area of the second collection material and the skin is between-about 0.01 and-about 25 mm<sup>2</sup>.
10. (canceled)
11. (original) The device of Claim 8, wherein the first electrode part and the second electrode part are integrated.
12. (original) The device of Claim 1, wherein the power supply part comprises a constant-current power supply.
13. (original) The device of Claim 1, wherein the power supply part comprises a constant-voltage power supply.